

ISO References and Resources Documents
Updated December 2019

Title	Reference Information	Website/Location	Cost
ISO/IEC 17025:2017 General Requirements For The Competence Of Testing And Calibration Laboratories	ISO/IEC 17025:2017 specifies the general requirements for the competence, impartiality and consistent operation of laboratories. ISO/IEC 17025:2017 is applicable to all organizations performing laboratory activities, regardless of the number of personnel. Laboratory customers, regulatory authorities, organizations and schemes using peer-assessment, accreditation bodies, and others use ISO/IEC 17025:2017 in confirming or recognizing the competence of laboratories.	https://webstore.ansi.org/Standards/ISO/ISOIEC170252017	\$162
WHO Laboratory Quality Management System: Handbook (2011)	This Laboratory quality management system handbook is intended to provide a comprehensive reference on Laboratory quality management system for all stakeholders in health laboratory processes, from management, to administration, to bench-work laboratorians. This handbook covers topics that are essential for quality management of a public health or clinical laboratory. They are based on both ISO 15189 and CLSI GP26-A3 documents. The handbook is linked to the training toolkit on laboratory quality management system.	https://www.who.int/ihr/publications/lqms/en/	No cost: download
EuroLab Handbook ISO/IEC 17025:2017	ISO/IEC 17025:2017 is applicable to all organizations performing laboratory activities, regardless of the number of personnel.	https://www.aplh.org/programs/food_safety/laboratory-accreditation/Documents/EUROLAB%20Handbook%20ISO%20IEC%2017025%202017.pdf	No cost: download
GOODSamples (Guidance on Obtaining Defensible Samples)(2015)	GOODSamples outlines the scientific and systematic approach to ensure that analytical data generated as a result of a sampling process are representative of the decision unit and are defensible.	https://www.aafco.org/Publications/GOODSamples	No cost: download
GOOD (Guidance on Obtaining Defensible) Test Portions (in English and French)(2018)	Laboratory customers, regulatory authorities, organizations and schemes using peer-assessment, accreditation bodies, and others use ISO/IEC 17025:2017 in confirming or recognizing the competence of laboratories.	http://www.aafco.org/Publications	No cost: download
2014 Quality Assurance/Quality Control Guidelines for State Feed Laboratories (Errata February 2016)	AAFCO	http://www.aafco.org/Publications/QA-QC-Guidelines-for-State-Feed-Laboratories	\$175.00 - includes ISO/IEC 17025:2005 \$75.00 without ISO/IEC 17025:2005

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Resources for ISO 17025 Accreditation: Feed Quality Assurance/Quality Control Group Resources	AAFCO Website: Resources for Laboratory Accreditation and Sampling	http://www.aafco.org/Laboratory	No cost
Topical Index for Laws and Guidance	AFDO Website: Documents for Laboratory, Laboratory Accreditation and Sampling	http://ti.afdo.org/	No cost
A Primer: Good Laboratory Practice and Current Good Manufacturing Practice	Agilent Technologies 2000-2002	http://depa.fquim.unam.mx/amyd/archivero/GoodLP_4835.pdf	No cost: download
ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories	ANAB-ANSI eStandard Store	https://webstore.ansi.org/RecordDetail.aspx?sku=ISO%2FIEC+17025%3A2017&sourcekeyword=&source=google&adgroup=iso13&gclid=EAlalQobChMlwujkzfCo2AIViLfACh14wAsYEAYASAAEgInvPD_BwE	Non-member: \$162.00 Full Member : \$129.60 Download
AOAC Laboratory Management Systems and Accreditation references	AOAC International	http://www.aoac.org/imis15_prod/aoac/AOAC_Member/Pubs/Guides/References.aspx	No cost: download
AOAC International Methods Committee Guidelines for Validation of Microbiological Methods for Food and Environmental Surfaces (Appendix J)	AOAC International-2/24/12 version of Appendix J	http://www.aoac.org/imis15_prod/AOAC_Docs/StandardsDevelopment/eoma_appendix_j.pdf	No cost: download
Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Food, Dietary Supplements, and Pharmaceuticals—An Aid to the Interpretation of ISO/IEC 17025:2017 (2018)	AOAC International-online version or hard copy version	http://www.aoac.org/aoac_prod_imis/AOAC/AOAC_Member/PUBS/CF/ALACCCF/ALACC_M.aspx	Refer to Website for pricing. Hard copy and on-line version available.
Official Methods of Analysis	AOAC International-online version	http://www.eoma.aoac.org/	Access the online version is part of AOAC membership; individual or group access only is available for electronic version. Check website for pricing.
	AOAC International hard copy-21st Edition (2019)	http://www.aoac.org/imis15_prod/AOAC/Publications/Official_Methods_of_Analysis/About/AOAC_Member/Publications/OMA/AOAC_Official_Methods_of_Analysis.aspx?hkey=ccc1fa5c-3e0f-4f76-87ab-1604b266f9df	Check website for pricing.
Compendium of Methods for the Microbiological Examination of Foods, 5th Edition (2015)	APHA-eBook -individual chapters can be purchased or entire book can be downloaded	http://ajph.aphapublications.org/doi/book/10.2105/MBEF.0222	Check website for information & price for the document.
	APHA Hard Copy-5th Edition (May 2015)-check with APHL Food Safety to see if there is a discount through them (www.aphl.org)	https://secure.apha.org/imis/ItemDetail?iProductCode=978-087553-2738&CATEGORY=BK&_ga=1.179943204.1895356868.1452810719	\$299.25 (non-member), 209.48 (member)

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Control of Communicable Diseases: Laboratory Practice (2019)	APHA Hard Copy-May 2019	http://secure.apha.org/imis/ItemDetail?iProductCode=978-087553-2851&CATEGORY=BK	Non-member-\$99; APHA member \$69.00
Standard Methods for the Examination of Water and Wasterwater, 23rd Edition (2017)	APHA Hard Copy	http://secure.apha.org/imis/ItemDetail?iProductCode=978-087553-2875&CATEGORY=BK	Non-member price: \$395.00; APHA member price: \$275.00
	APHA Digital Edition	https://www.standardmethods.org/	Check website for pricing.
Standard Methods for the Examination of Dairy Products , 17th Edition (2004)	APHA Soft Copy	http://secure.apha.org/imis/ItemDetail?iProductCode=978-087553-0215&CATEGORY=BK	\$131.25 (non-member), \$91.88 (member)
	APHA Digital Edition	https://ajph.aphapublications.org/doi/book/10.2105/9780875530024	Check website for pricing.
Accreditation Support for Food and Feed Testing Laboratories, including documents, training resources	APHL - Electronic	https://www.aphl.org/programs/food_safety/laboratory-accreditation/Pages/default.aspx	No cost: downloads, videos
Laboratory Techniques Training	APHL/Arizona DOH: This website provides training on laboratory skills and competencies (in development)	http://www.azdhs.gov/preparedness/state-laboratory/aphl-training-repo/index.php	No cost: download & video
Technical Resources - ADHS Calibration Training Instrument Calibration	Arizona Department of Health and Safety	http://www.azdhs.gov/lab/license/resources/calibration-training.htm	No cost: download
Technical Resources - Additional Resources State Assessor Calibration Policy	Arizona Department of Health and Safety	http://www.azdhs.gov/lab/license/resources/resources.htm	Website
Minimizing Liquid Delivery Risk: Pipettes as Sources of Error	ARTEL Resource Library (other pipetting resources also)	http://www.artel-usa.com/topic/pipette-calibration/	Website
The Quality Improvement Handbook, Second Edition (2006)	ASQ Quality Management Division	http://www.amazon.com/Quality-Improvement-Handbook-Second/dp/0873896904/ref=sr_1_1?s=books&ie=UTF8&qid=1437577443&sr=1-1&keywords=The+Quality+Improvement+Handbook%2C+Second+Edition#reader_0873896904	Order from Amazon

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Root Cause Analysis Simplified Tools and Techniques, Second Edition (2006)	ASQ: Bjorn Anderson and Tom Fagerhaug	https://asq.org/quality-press/display-item?item=H1287	Softcover List \$: \$74.00 Member: \$45.00 E-Books available from various e-book retailers
Juran's Quality Handbook, The Complete Guide to Performance Excellence, Seventh Edition (2016)	ASQ: Joseph A. DeFeo	https://asq.org/quality-press/display-item?item=P1620	Member: \$134.00 List: \$175.00
Implementing ISO/IEC 17025:2005; A practical guide. (2013)	ASQ: Bob Mehta	https://asq.org/quality-press/display-item?item=H1448	List price: \$10.00
Implementing ISO/IEC 17025:2017; A practical guide. (2019)-hard copy and eBook available	ASQ: Bob Mehta	https://asq.org/quality-press/display-item?item=H1555	\$45.00 Member price; \$75.00 non=member
The Risk Based Thinking Memory Jogger	ASQ	https://asq.org/quality-press/display-item?item=P1628	list price: \$16.95
Success Through Quality: Support Guide for the Journey to Continuous Improvement	ASQ: Timothy J. Clark	https://www.amazon.com/Success-Through-Quality-Continuous-Improvement/dp/0873894413	Order from Amazon
Mapping Work Processes	Dianne Galloway	http://www.amazon.com/s/ref=nb_sb_noss?url=search-alias%3Daps&field-keywords=ASQ%3B%20Dianne%20Galloway	Order from Amazon
CIFOR Toolkit/website	CIFOR	http://cifor.us/products/toolkit	No cost: download
CIFOR Guidelines for Foodborne Disease Outbreak Response, Second Edition	CIFOR	http://cifor.us/products/guidelines	No cost: download
Foods Program Compendium of Analytical Laboratory Methods	The FDA Foods Program Compendium of Analytical Methods ("the Compendium") contains analytical methods that have a defined validation status and are currently used by FDA regulatory laboratories.	https://www.fda.gov/food/laboratory-methods-food/foods-program-compendium-analytical-laboratory-methods	No cost: download
Guidelines for the Validation of Chemical Methods for the FDA Foods Program, 3rd Edition	FDA Chemistry Validation Guidelines, October 2019	http://www.fda.gov/downloads/ScienceResearch/FieldScience/UCM273418.pdf	No cost: download

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FDA ORA Laboratory Manual	The Laboratory Manual is a reference manual for ORA laboratory personnel and supporting units. It provides personnel with information on internal policies and procedures to be used for testing consumer products, training laboratory staff, writing reports, safety, research, review of private laboratory reports, court testimony, and other laboratory activities.	http://www.fda.gov/ScienceResearch/FieldScience/LaboratoryManual/default.htm	No cost: download
FDA CFSAN Laboratory Quality Assurance Manual	The CFSAN Laboratory Quality Assurance Manual (LQM), 3rd Edition (2009) provides CFSAN staff with the fundamental information needed to implement basic quality concepts, principles, and practices throughout CFSAN's laboratories.	https://www.fda.gov/food/laboratory-methods-food-safety/cfsan-laboratory-quality-assurance-manual	No cost: download
FDA Bacteriological Analytical Manual Online (BAM)	FDA's Bacteriological Analytical Manual (BAM) presents the agency's preferred laboratory procedures for microbiological analyses of foods and cosmetics.	http://www.fda.gov/Food/FoodScienceResearch/LaboratoryMethods/ucm2006949.htm	No cost: download
FDA The Defects Level Handbook	The Food Defect Action Levels-Levels of natural or unavoidable defects in foods that present no health hazards for humans	https://www.fda.gov/Food/GuidanceRegulation/GuidanceDocumentsRegulatoryInformation/ucm056174.htm	No cost: download
FDA Laboratory Information Bulletins	FDA Methods	http://www.fda.gov/ScienceResearch/FieldScience/ucm231463.htm	No cost: download
FDA Macroanalytical Procedures Manual	FDA Methods for Filth (1984)	http://www.fda.gov/Food/FoodScienceResearch/LaboratoryMethods/ucm2006953.htm	No cost: download
FDA Guidelines for Validation of Analytical Methods for the Detection of Microbial Pathogens in Foods and Feeds, 2nd Edition	FDA Microbiology Validation Guidelines, May 2015	http://www.fda.gov/downloads/ScienceResearch/FieldScience/UCM298730.pdf	No cost: download
FDA Pesticide Analytical Methods (PAM)	FDA Pesticide Analytical Methods	http://www.fda.gov/Food/FoodScienceResearch/LaboratoryMethods/ucm2006955.htm	No cost: download
FDA Regulatory Fish Encyclopedia	The Seafood List is a searchable compendium of approximately 1800 species of finfish and shellfish	https://www.fda.gov/Food/FoodScienceResearch/RFE/default.htm	No cost: download
Health Canada: The Compendium of Analytical Methods	Health Canada Food Testing Methods	http://www.hc-sc.gc.ca/fn-an/res-rech/analy-meth/microbio/index-eng.php	No cost: Can request a Zip File; joining mailing list for notification of updates.
FDA Chemical, Metals, Natural Toxins & Pesticides Guidance Documents & Regulations	FDA Guidance Documents	https://www.fda.gov/food/guidance-documents-regulatory-information-topic-food-and-dietary-supplements/chemical-contaminants-metals-natural-toxins-pesticides-guidance-documents-regulations	No cost: download

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Errors in weighing when using a single-pan balance	Fletcher, CD. Journal of Clinical Pathology. 1982 Apr; 35(4): 477–478	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC497688/?page=1	No cost: download
Quality Assurance of Chemical Measurements (1987)	Lewis Publishers; John Keenan Taylor	http://www.amazon.com/Quality-Assurance-Chemical-Measurements-Taylor/dp/0873710975	Order from Amazon
Document Control: A Simple Guide to Managing Documentation (2005)	Paton Professional Publishing; Denise Robbittale	http://www.patonprofessional.com/ebooks/	E-Book: \$26.95 Paperback: \$26.95
Process Mapping, Process Improvement, and Process Management (2005)	Paton Professional Publishing; Dan Madison	http://www.patonprofessional.com/ebooks/	E-Book: \$39.95 Paperback: \$44.95
Root Cause Analysis, Basic Tools and Techniques (2004)	Paton Professional Publishing; Denise Robbittale	http://www.patonprofessional.com/ebooks/	E-Book: \$26.95 Paperback: \$26.95
The Basics of Corrective Action (2012)	Paton Professional Publishing; Denise Robbittale	http://www.patonprofessional.com/ebooks/	E-Book: \$9.99
The Corrective Action Handbook (2011)	Paton Professional Publishing; Denise Robbittale	http://www.patonprofessional.com/ebooks/	E-Book: \$29.95 Paperback: \$29.95
The Management Review Handbook (2011)	Paton Professional Publishing; Denise Robbittale	http://www.patonprofessional.com/ebooks/	E-Book: \$29.95 Paperback: \$29.95
The Preventive Action Handbook (2011)	Paton Professional Publishing; Denise Robbittale	http://www.patonprofessional.com/ebooks/	E-Book: \$29.95 Paperback: \$29.95
Quality Basics: Root Cause Analysis for Beginners	Rooney, J. and Vanden Heuvel, L., ASQ, Quality Progress, July 2003, pp 45-53	https://servicelink.pinnacol.com/pinnacol_docs/lp/cdrom_web/safety/management/accident_investigation/Root_Cause.pdf	No cost: download
Quality Management Training Series	APHL Training series for use by quality managers to train new staff or retraining-based on ISO/IEC 17025:2005, being updated to 2017 version of ISO/IEC 17025.	https://www.aphl.org/programs/food_safety/laboratory-accreditation/Pages/Developing-Training.aspx	No cost: download
USDA FSIS Microbiological Laboratory Guidebook	USDA FSIS Methods	http://www.fsis.usda.gov/wps/portal/fsis/topics/science/laboratories-and-procedures/guidebooks-and-methods/microbiology-laboratory-guidebook/microbiology-laboratory-guidebook	No cost: download

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USDA FSIS Chemistry Laboratory Guidebook	USDA FSIS Methods	http://www.fsis.usda.gov/wps/portal/fsis/topics/science/laboratories-and-procedures/guidebooks-and-methods/chemistry-laboratory-guidebook	No cost: download
Complying with ISO 17025: A practical guidebook for meeting the requirements of laboratory accreditation schemes based on ISO 17025:2005 or equivalent national standards	United Nations Industrial Development Organization, 2009	https://www.unido.org/fileadmin/user_media/Publications/Pub_free/Complying_with_ISO_17025_A_practical_guidebook.pdf	No cost: download
List of Proficiency Test Providers	EPTIS database	https://www.eptis.bam.de/eptis/WebSearch/main	No cost: searchable database
How to Meet ISO 17025 Requirements for Verification (2007)	AOAC International	https://www.aphl.org/programs/food_safety/laboratory-accreditation/Documents/FS_2008March12_AOAC_How-to-Meet-ISO-17025-Requirements-for-Method-Verification.pdf	No cost: download
Data Collection and Analysis Tools	ASQ	http://asq.org/learn-about-quality/data-collection-analysis-tools/overview/overview.html	No cost: download
Journal of AOAC International Special Issue on Representative Sampling for Food and Feed Materials: A Critical Need for Food/Feed Safety (March/April 2015)	JAOAC	http://aoac.publisher.ingentaconnect.com/content/aoac/jaoac/2015/00000098/00000002%3bjsessionid=1dax6ui0fxowq.alexandra	No cost: download
FAO Laboratory Internal Audit Tool for Testing Laboratories compliant with ISO/IEC 17025:2005	Laboratory Audit Tool	https://www.feedipedia.org/content/fao-laboratory-audit-tool	No cost: download